

Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
WAYNE COUNTY --- MT ERIE [38.52, -88.23]				
	06/04/14 07:30 CST		5K	Thunderstorm Wind (EG 56 kt)
	06/04/14 07:30 CST		0	Source: Trained Spotter
Small trees were blown down.				
WAYNE COUNTY --- MT ERIE [38.52, -88.23]				
	06/04/14 07:30 CST		0	Heavy Rain
	06/04/14 07:50 CST		0	Source: Trained Spotter
A trained spotter reported 1.5 to 1.8 inches of rain in 20 minutes, with minor flooding.				
JEFFERSON COUNTY --- 3.0 S MT VERNON [38.28, -88.90], 3.0 SSE MT VERNON [38.28, -88.88]				
	06/04/14 14:35 CST		0	Hail (0.88 in)
	06/04/14 14:35 CST		0	Source: Broadcast Media
HAMILTON COUNTY --- DAHLGREN [38.20, -88.68], BUNGAY [38.18, -88.40], THURBER [38.08, -88.43], BRADEN [38.00, -88.62]				
	06/04/14 14:50 CST		0	Flash Flood (due to Heavy Rain)
	06/04/14 16:00 CST		0	Source: Trained Spotter
In Dahlgren, a trained spotter reported ponding and overwash on nearly all streets at low spots and creek culverts. A trained spotter in Mcleansboro measured 1.20 inches of rain in 20 minutes.				
JEFFERSON COUNTY --- BONNIE [38.20, -88.90]				
	06/04/14 14:50 CST		0	Hail (0.75 in)
	06/04/14 14:50 CST		0	Source: Law Enforcement
HAMILTON COUNTY --- PIOPOLIS [38.18, -88.57]				
	06/04/14 15:00 CST		20K	Thunderstorm Wind (EG 70 kt)
	06/04/14 15:00 CST		0	Source: Trained Spotter
A grain bin was blown over.				
GALLATIN COUNTY --- 0.7 N OMAHA [37.89, -88.30], 3.0 WSW EQUALITY [37.72, -88.38], 1.5 WSW JUNCTION [37.71, -88.25], 1.8 SSW COTTONWOOD [37.86, -88.23]				
	06/04/14 16:42 CST		0	Flash Flood (due to Heavy Rain)
	06/04/14 18:45 CST		0	Source: Emergency Manager
Flash flooding of some roads was reported, including State Routes 1 and 13.				
PERRY COUNTY --- 1.6 NE DU QUOIN [38.03, -89.21], 1.3 WNW OLD DUQUOIN [37.97, -89.20], 2.0 W CLINCH [37.97, -89.27], 0.6 WNW ST JOHNS [38.03, -89.26]				
	06/04/14 18:08 CST		0	Flash Flood (due to Heavy Rain)
	06/04/14 19:45 CST		0	Source: Trained Spotter
Thunderstorms organized along a cold front as it pushed south across the Ohio Valley during the heat of the afternoon. The east to west area of storms sagged slowly southward, resulting in persistent torrential rain and local flooding. The storms were located within a very moist air mass, with precipitable water values from 1.5 to 1.8 inches. The storms intensified as they moved through very unstable air during the heat of the day. A few of the storms produced hail and damaging winds.				
FRANKLIN COUNTY --- VALIER [38.02, -89.05], BUCKNER [37.98, -89.02]				
	06/20/14 17:15 CST		10K	Thunderstorm Wind (EG 61 kt)
	06/20/14 17:20 CST		0	Source: Public
Some trees and large limbs were blown down in the towns of Valier and Buckner.				
Isolated thunderstorms occurred south of a cold front that extended from Iowa across central Illinois to central Indiana. One of the storms produced tree damage in Franklin County.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WAYNE COUNTY --- 4.0 WSW FAIRFIELD [38.36, -88.44], 1.3 SW FAIRFIELD [38.37, -88.39]	06/23/14 16:22 CST		2K	Tornado (EF0, L: 2.89 mi , W: 200 yd)
	06/23/14 16:28 CST		0	Source: NWS Storm Survey

This widely photographed and videotaped tornado caused very little damage. Much of its track was over open fields. Where the tornado crossed tree lines, tree limbs were broken. The tornado began southeast of the intersection of Illinois Highway 15 and County Road 10. The tornado travelled east-northeast before curving southeast as it approached the southwest side of Fairfield. Peak winds were estimated near 75 mph.

WAYNE COUNTY --- 2.5 WSW FAIRFIELD [38.37, -88.41], 2.1 SSW FAIRFIELD [38.35, -88.38]	06/23/14 16:26 CST		2K	Tornado (EF0, L: 1.80 mi , W: 150 yd)
	06/23/14 16:29 CST		2K	Source: NWS Storm Survey

Near the beginning of the tornado track, just southwest of the intersection of County Road 1650E and County Road 700N, the tornado downed a tree onto a house. There was some structural damage to the house. Otherwise, this videotaped tornado tracked across mostly open fields. There was some disturbance to corn fields as it tracked southeast toward County Road 1800E. Peak winds were estimated near 85 mph.

WAYNE COUNTY --- 4.6 SW FAIRFIELD [38.33, -88.43], 3.9 SW FAIRFIELD [38.34, -88.42]	06/23/14 16:40 CST		30K	Thunderstorm Wind (EG 87 kt)
	06/23/14 16:43 CST		0	Source: NWS Storm Survey

The microburst downed several trees and numerous tree limbs. A small shed was destroyed. Two wooden power poles were broken. The microburst began just west of County Road 600E and continued along and north of County Road 8 for approximately 1.25 miles. The width of the microburst about 750 yards.

Scattered thunderstorms occurred ahead of a cold front that extended from central Illinois southwest across the St. Louis metro area to western Arkansas. A small cluster of storms in Wayne County produced a couple of tornadoes and damaging straight-line winds.

INDIANA, Southwest

SPENCER COUNTY --- ROCKPORT [37.88, -87.05]	06/01/14 15:10 CST		0	Heavy Rain
	06/01/14 15:40 CST		0	Source: Public

A rainfall amount of 1.40 inches was measured in 30 minutes.

Scattered thunderstorms developed during the warmth of the afternoon ahead of a weak shortwave trough over Arkansas. The storms formed within a broad area of moist southerly winds ahead of a Plains low pressure system. Some of the storms produced heavy rain.

WARRICK COUNTY --- 2.6 ENE LYNNVILLE [38.21, -87.26]	06/04/14 14:15 CST		0	Hail (0.88 in)
	06/04/14 14:20 CST		0	Source: SHAVE Project

WARRICK COUNTY --- 1.0 E NEWBURGH [37.95, -87.40]	06/04/14 16:00 CST		0	Heavy Rain
	06/04/14 17:00 CST		0	Source: Trained Spotter

A rainfall amount of 1.34 inches was measured in one hour.

VANDERBURGH COUNTY --- 0.7 WNW HARWOOD [38.00, -87.59], 1.3 NW SMYTHE [38.01, -87.50], 3.7 SE SMYTHE [37.96, -87.44], 2.1 NW CYPRESS [37.94, -87.65]	06/04/14 16:25 CST		3K	Flash Flood (due to Heavy Rain)
	06/04/14 18:30 CST		0	Source: Public

Numerous roads were flooded in and around Evansville, including major intersections and highways. Manhole covers were missing, producing hazardous driving conditions. A trained spotter reported rainfall of 1.5 inches in one hour.

Thunderstorms organized along a cold front as it pushed south across the Ohio Valley during the heat of the afternoon. The area of storms sagged slowly south across the region, producing persistent heavy rain and local flooding. The storms intensified as they moved through a very unstable air mass. A few of the storms produced flooding rainfall and small hail.

GIBSON COUNTY --- OWENSVILLE [38.27, -87.68]
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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/10/14 17:45 CST		0	Heavy Rain
	06/10/14 18:30 CST		0	Source: Trained Spotter
Water was flowing across several streets. Approximately 3.25 inches of rain fell in two separate rain bands over a four-hour period.				
Clusters of showers and weak thunderstorms formed just east of a surface low pressure center over southeast Missouri. The parent 500 mb low was also centered over Missouri. Some of the showers and storms produced very heavy rain.				
VANDERBURGH COUNTY --- EVANSVILLE [37.98, -87.55]				
	06/23/14 13:30 CST		30K	Thunderstorm Wind (EG 61 kt)
	06/23/14 13:30 CST		0	Source: Emergency Manager
A semi trailer was blown over. Utility poles and lines were down across the city. A utility company reported about 1,351 customers without power.				
Scattered thunderstorms occurred ahead of a cold front that extended from central Illinois southwest across the St. Louis metro area to western Arkansas. A thunderstorm became severe over the city of Evansville.				
KENTUCKY, Southwest				
CALLOWAY COUNTY --- 5.0 NE MURRAY [36.67, -88.26]				
	06/01/14 15:10 CST		0	Funnel Cloud
	06/01/14 15:10 CST		0	Source: NWS Employee
A funnel cloud was photographed over open fields and woodlands.				
MCCRACKEN COUNTY --- 1.0 ENE HARDMONEY [36.96, -88.58]				
	06/01/14 15:13 CST		1K	Thunderstorm Wind (EG 50 kt)
	06/01/14 15:13 CST		0	Source: NWS Storm Survey
Tree limbs were blown down along Highway 348. Most of the limbs were small, but there were four larger limbs down in yards around the area.				
TRIGG COUNTY --- 3.0 E CANTON [36.80, -87.90]				
	06/01/14 16:35 CST		0	Funnel Cloud
	06/01/14 16:35 CST		0	Source: Trained Spotter
A funnel cloud was reported near Canton moving toward Cadiz.				
Scattered thunderstorms developed during the warmth of the afternoon ahead of a weak shortwave trough over Arkansas. The storms formed within a broad area of moist southerly winds ahead of a Plains low pressure system.				
MCCRACKEN COUNTY --- WEST PADUCAH [37.08, -88.75], 0.6 NE ROWLANDTOWN [37.11, -88.62], 0.8 NE WOODLAWN [37.06, -88.56], 1.6 NNW KREBS [37.00, -88.63]				
	06/02/14 20:00 CST		0.15M	Flash Flood (due to Heavy Rain)
	06/02/14 22:30 CST		0	Source: Trained Spotter
Widespread flash flooding occurred in Paducah. Between 4.8 and 5.5 inches of rain was measured in less than two hours. Numerous vehicles were stranded on flooded streets. Some people were rescued from stranded cars by police and fire personnel. A railroad underpass on a major city street was impassable. Garages and basements were flooded. Several apartments and at least one home were flooded. In the downtown Paducah area, the courthouse and jail were flooded.				
MCCRACKEN COUNTY --- 1.5 ESE REIDLAND [37.01, -88.51], 1.6 ENE SHADY GROVE [36.99, -88.49]				
	06/02/14 20:15 CST		40K	Tornado (EF1, L: 1.53 mi , W: 150 yd)
	06/02/14 20:18 CST		0	Source: NWS Storm Survey
This EF-1 tornado contained peak winds estimated near 90 mph. A pole barn sustained substantial roof damage , including some structural damage to the rafters. Debris was blown more than one-half mile away. One home sustained loss of a large section of shingles and the roof vent. Dozens of trees and tree limbs were also blown down. The damage began just southeast of the corner of U.S. Highways 62 and 68 and continued south-southeast to Highway 68 along the McCracken/Marshall County line.				
Scattered thunderstorms occurred immediately ahead of a weak shortwave trough over northeast Arkansas and eastern Missouri. The storms were fed by a moist southwest wind flow ahead of a weak cold front over western Missouri. An isolated short-lived tornado occurred with one of these storms. Flash flooding occurred in the city of Paducah.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
UNION COUNTY --- MORGANFIELD [37.68, -87.92]				
	06/04/14 16:39 CST		0	Hail (0.75 in)
	06/04/14 16:39 CST		0	Source: Trained Spotter
UNION COUNTY --- STURGIS [37.55, -87.98], 1.1 SE STURGIS [37.54, -87.97]				
	06/04/14 17:15 CST		40K	Thunderstorm Wind (EG 83 kt)
	06/04/14 17:15 CST		0	Source: NWS Storm Survey
At the Union County Fairgrounds, one barn was damaged and debris damaged two campers. Most of the other damage was to trees in the Sturgis area. Peak winds were estimated near 95 mph.				
UNION COUNTY --- 1.0 SE STURGIS [37.54, -87.97], 2.0 SSE STURGIS [37.52, -87.97]				
	06/04/14 17:16 CST		20K	Tornado (EF1, L: 1.14 mi , W: 100 yd)
	06/04/14 17:20 CST		0	Source: NWS Storm Survey
The tornado moved along Highway 109 from the east edge of Sturgis to just south of the Sturgis Municipal Airport . Damage was mainly to trees, including several that were snapped or uprooted. A couple of homes sustained soffit and shingle damage . Two outbuildings were destroyed . One of them was thrown about 75 yards into a group of trees. Peak winds were estimated between 105 and 110 mph.				
UNION COUNTY --- 2.2 NW ARNOLD [37.60, -87.95]				
	06/04/14 17:20 CST		5K	Thunderstorm Wind (EG 61 kt)
	06/04/14 17:20 CST		0	Source: Trained Spotter
Several four-foot diameter trees were blown down along County Road 950 between Sturgis and Morganfield.				
UNION COUNTY --- 1.0 ENE SULLIVAN [37.51, -87.93]				
	06/04/14 17:24 CST		10K	Thunderstorm Wind (EG 83 kt)
	06/04/14 17:24 CST		0	Source: NWS Storm Survey
A tree was snapped, and a house lost some shingles.				
UNION COUNTY --- 2.0 E SULLIVAN [37.50, -87.91], 2.1 E SULLIVAN [37.50, -87.91]				
	06/04/14 17:30 CST		4K	Tornado (EF1, L: 0.43 mi , W: 75 yd)
	06/04/14 17:32 CST		0	Source: NWS Storm Survey
The tornado moved through a partially wooded area southeast of Sturgis along the Union/ Webster County line. Several trees were snapped or uprooted. Peak winds were estimated near 110 mph. The tornado continued moving southeast into Webster County .				
WEBSTER COUNTY --- 1.0 E PROVIDENCE [37.40, -87.75]				
	06/04/14 17:30 CST		0	Heavy Rain
	06/04/14 23:00 CST		0	Source: COOP Observer
A co-operative observer measured 4.03 inches of rain in 24 hours. Most of the rain fell during thunderstorms on the evening of the 4th.				
DAVIESS COUNTY --- 1.1 NW OWENSBORO [37.78, -87.14], 1.5 ENE OWENSBORO [37.78, -87.09], 1.4 WSW DOYLE [37.74, -87.09], 1.3 ESE (OWB)OWENSBORO ARPT [37.74, -87.15]				
	06/04/14 17:31 CST		0	Flash Flood (due to Heavy Rain)
	06/04/14 19:30 CST		0	Source: Trained Spotter
Flash flooding of roadways was reported throughout the community.				
WEBSTER COUNTY --- 1.8 W ROCK SPG [37.50, -87.91], 1.5 NNE DERBY [37.49, -87.91]				
	06/04/14 17:32 CST		10K	Tornado (EF1, L: 0.65 mi , W: 75 yd)
	06/04/14 17:34 CST		0	Source: NWS Storm Survey
The tornado moved from Union County into Webster County in a partially wooded area . Several trees were snapped or uprooted. One barn was damaged. This short-lived tornado was west-northwest of Wheatcroft. Peak winds were estimated near 110 mph.				
WEBSTER COUNTY --- WHEATCROFT [37.48, -87.87]				
	06/04/14 17:35 CST		0	Thunderstorm Wind (EG 65 kt)
	06/04/14 17:35 CST		0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A wind gust to 75 mph was estimated by the general public in Wheatcroft.				
WEBSTER COUNTY --- 1.0 S CLAY [37.47, -87.83], 3.0 NNW PROVIDENCE [37.44, -87.79]				
	06/04/14 17:45 CST		10K	Thunderstorm Wind (EG 61 kt)
	06/04/14 17:53 CST		0	Source: Emergency Manager

Trees and limbs were blown down along Route 109 between the communities of Clay and Providence.

HOPKINS COUNTY --- NEBO [37.38, -87.65]				
	06/04/14 18:15 CST		2K	Thunderstorm Wind (EG 65 kt)
	06/04/14 18:15 CST		0	Source: NWS Storm Survey

Large branches were blown down.

HOPKINS COUNTY --- BEULAH [37.27, -87.68]				
	06/04/14 18:24 CST		0	Funnel Cloud
	06/04/14 18:24 CST		0	Source: Trained Spotter

HOPKINS COUNTY --- BEULAH [37.27, -87.68]				
	06/04/14 18:48 CST		0	Funnel Cloud
	06/04/14 18:48 CST		0	Source: Law Enforcement

A second funnel cloud associated with a second storm was observed near Beulah.

HOPKINS COUNTY --- 4.0 WSW MADISONVILLE [37.31, -87.57], 4.0 WSW WHITE PLAINS [37.16, -87.45]				
	06/04/14 19:00 CST		75K	Thunderstorm Wind (EG 70 kt)
	06/04/14 19:35 CST		0	Source: NWS Storm Survey

A broad area of scattered wind damage was observed over a wide swath across central and southern Hopkins County . The damage consisted mostly of downed tree limbs averaging 3 to 6 inches in diameter. There were occasional uprooted trees, generally small in size. Trees were down across U.S. Highway 62 on the north side of Nortonville. Tin roofing was peeled off a few barns and outbuildings . At least ten trees were uprooted in Hopkins County. Peak winds in Hopkins County were estimated near 80 mph. The main area of damage in Hopkins County began along Highway 70 southwest of Madisonville. It extended southeast across the Western Kentucky Parkway between St. Charles and the Pennyryle Parkway. The damage area crossed into Christian County southwest of White Plains, including the Pennyryle Parkway area.

HOPKINS COUNTY --- 3.0 NE DAWSON SPGS [37.20, -87.66]				
	06/04/14 19:03 CST		0	Funnel Cloud
	06/04/14 19:03 CST		0	Source: Law Enforcement

HOPKINS COUNTY --- NORTONVILLE [37.20, -87.47]				
	06/04/14 19:23 CST		0	Funnel Cloud
	06/04/14 19:23 CST		0	Source: Trained Spotter

CHRISTIAN COUNTY --- 3.0 E MANNINGTON [37.13, -87.43], OVIL [36.95, -87.28]				
	06/04/14 19:35 CST		80K	Thunderstorm Wind (EG 78 kt)
	06/04/14 20:20 CST		0	Source: NWS Storm Survey

The broad area of scattered wind damage continued from southern Hopkins County southeast across northeast Christian County. One small garage had its entire roof blown off. The damage consisted mostly of downed tree limbs averaging 3 to 6 inches in diameter. There were occasional uprooted trees, generally small in size. Tin roofing was peeled off a few barns and outbuildings . The main area of damage in Christian County was east of the Pennyryle Parkway and north of Highway 80. Peak winds were estimated near 90 mph where there was a concentration of uprooted trees southeast of Crofton. The damage area crossed into a large part of northern Todd County .

TODD COUNTY --- 4.0 W ALLEGRE [36.93, -87.29], ELKTON [36.82, -87.15]				
	06/04/14 20:08 CST		80K	Thunderstorm Wind (EG 83 kt)
	06/04/14 20:48 CST		0	Source: NWS Storm Survey

A broad area of scattered wind damage continued southeast from northern Christian County across northern and central Todd County . The main area of damage in Todd County was across the western half of the county , along and west of Highway 181. This includes Elkton. Just north of Elkton, a large machine shed a couple hundred feet in length had all of its roofing blown off , including the rafters. The damage consisted mostly of downed tree limbs averaging 3 to 6 inches in diameter. There were occasional uprooted trees, generally small in size. Tin roofing was peeled off a few barns and outbuildings . Peak winds were around 95 mph where the machine shed was unroofed.

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BALLARD COUNTY --- 1.7 ESE INGLESIDE [37.11, -88.89], 1.0 WSW INGLESIDE [37.11, -88.94], 1.0 NNE HINKLEVILLE [37.06, -88.95], 1.7 S KEVIL [37.06, -88.91], 1.3 E KEVIL [37.08, -88.88]				
	06/04/14 20:42 CST		0	Flash Flood (due to Heavy Rain)
	06/04/14 23:45 CST		0	Source: Trained Spotter
Localized flash flooding was reported throughout the community of Kevil, where 1.7 inches of rain was measured in about an hour.				
CHRISTIAN COUNTY --- CROFTON [37.05, -87.48]				
	06/04/14 20:45 CST		0	Hail (1.00 in)
	06/04/14 20:45 CST		0	Source: Trained Spotter
CHRISTIAN COUNTY --- 6.0 N HOPKINSVILLE [36.94, -87.48], 1.0 N HOPKINSVILLE [36.86, -87.48]				
	06/04/14 20:55 CST		0	Thunderstorm Wind (MG 52 kt)
	06/04/14 20:58 CST		0	Source: Mesonet
A trained spotter measured a wind gust to 60 mph about one mile north of Hopkinsville. A wind gust to 58 mph was measured at a Kentucky mesonet site about six miles north of Hopkinsville.				
CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48]				
	06/04/14 21:05 CST		10K	Lightning
	06/04/14 21:05 CST		0	Source: Broadcast Media
A fire at an apartment complex was started by lightning.				
CHRISTIAN COUNTY --- HOPKINSVILLE [36.85, -87.48], PEMBROKE [36.78, -87.35]				
	06/04/14 21:06 CST		0	Heavy Rain
	06/04/14 21:36 CST		0	Source: Trained Spotter
In Hopkinsville, one-half inch of rain fell in 5 minutes. In Pembroke, 1.06 inches of rain fell in 15 minutes.				
CHRISTIAN COUNTY --- PEMBROKE [36.78, -87.35]				
	06/04/14 21:07 CST		0	Hail (0.75 in)
	06/04/14 21:07 CST		0	Source: Trained Spotter
TODD COUNTY --- 1.0 S ELKTON [36.81, -87.15], 2.0 NW GUTHRIE [36.67, -87.20]				
	06/04/14 21:12 CST		80K	Thunderstorm Wind (EG 78 kt)
	06/04/14 21:29 CST		0	Source: NWS Storm Survey
The broad area of scattered wind damage extended southward across a wide swath of southern Todd County . The main area of damage in southern Todd County was across the western half of the county, along and west of Highway 181. Two large machine sheds were partially unroofed. The damage consisted mostly of downed tree limbs averaging 3 to 6 inches in diameter. There were occasional uprooted trees, generally small in size. Tin roofing and wall panels were peeled off a few barns and outbuildings. Peak winds in the south part of the county were estimated near 90 mph.				
MCCRACKEN COUNTY --- 2.3 SSE MAXON [37.05, -88.71], 0.9 S MASSAC [37.01, -88.68], 2.8 NE KREBS [37.01, -88.58], 1.2 NE WOODLAWN [37.06, -88.56], 2.4 NW CECIL [37.13, -88.70], 0.8 W (PAH)BARKLEY ARPT PA [37.07, -88.78]				
	06/04/14 21:15 CST		20K	Flash Flood (due to Heavy Rain)
	06/04/14 23:00 CST		0	Source: Trained Spotter
Numerous roads in Paducah were flooded. Water was over bumper height. Several creeks and ditches were out of their banks, including Champion Creek. A vehicle was driven into Champion Creek floodwaters on Highway 994, causing a crash that injured the driver. Rainfall was measured at 2.58 inches in 80 minutes at the Paducah airport. An emergency management official reported 4 inches of rain about a mile south of Lone Oak.				
CARLISLE COUNTY --- 0.6 E MAGEE SPGS [36.92, -88.91], 1.4 E CUNNINGHAM [36.92, -88.86], 0.7 NW KIRBYTON [36.86, -88.86], 1.7 ESE BARDWELL [36.86, -88.99], 3.0 NNE BARDWELL [36.91, -89.00]				
	06/04/14 21:51 CST		0	Flash Flood (due to Heavy Rain)
	06/04/14 23:55 CST		0	Source: Trained Spotter
Flash flooding was reported along Highway 307 near Cunningham, as well as U.S. Highway 62 between Cunningham and Bardwell.				
GRAVES COUNTY --- 3.8 NNW LOWES [36.93, -88.79], 2.9 NNE KANSAS [36.94, -88.69], 1.7 ENE SEDALIA [36.66, -88.57], 1.0 N HOLIFIELD [36.68, -88.78], 1.6 SSW FANCY FARM [36.78, -88.79]				

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	06/04/14 22:06 CST		80K	Flash Flood (due to Heavy Rain)
	06/04/14 23:50 CST		0	Source: Fire Department/Rescue

Water rescues were conducted in and near the community of Lowes , where several individuals were trapped in their homes. A trained spotter about four miles northwest of Mayfield measured 1.5 inches of rain in 30 minutes. The Graves County Red Cross sheltered 20 people from nine families at a local church. Flooding swamped tractors at an agricultural business on Highway 121. More extensive flooding was observed on the Mayfield bypass.

Thunderstorms intensified along and ahead of a cold front as it pushed south across the Lower Ohio Valley. A very unstable air mass fueled intense thunderstorm development during the late afternoon hours. The initial activity included storms that were discrete and supercellular in nature, with damaging winds and a couple of tornadoes. As storm coverage increased during the evening, the storms merged and evolved into a forward propagating mesoscale convective system across southern parts of western Kentucky. The slow southward movement of the storms resulted in very intense rainfall rates and local flooding. The storms were located within a very moist air mass, with precipitable water values from 1.5 to 1.8 inches.

FULTON COUNTY --- 9.1 WNW TYLER [36.56, -89.50], 6.5 WNW TYLER [36.52, -89.46]				
	06/07/14 13:48 CST		10K	Tornado (EF1, L: 3.02 mi , W: 200 yd)
	06/07/14 14:00 CST		0	Source: NWS Storm Survey

The tornado touched down in the New Madrid bend area of western Fulton County. The "New Madrid bend" is a bend in the Mississippi River that carves out a plot of land in Fulton County that is not contiguous with the remainder of Fulton County. Hundreds of trees were snapped. Corn fields were flattened. Due to the rural nature of the area, no structures were impacted. Peak winds were estimated near 110 mph. The tornado continued southeast across the Mississippi River into extreme southeast New Madrid County, Missouri near Donaldson Point.

GRAVES COUNTY --- 2.2 W MAYFIELD [36.73, -88.67], 1.0 SE MAYFIELD [36.72, -88.62]				
	06/07/14 14:28 CST		0.10M	Thunderstorm Wind (EG 70 kt)
	06/07/14 14:34 CST		0	Source: Emergency Manager

A macroburst began on the southwest side of Mayfield and then proceeded east across the south side of Mayfield . Downed trees and power lines were widespread. A few homes were damaged by trees that landed on them . Some very large trees fell across roadways. The width of the macroburst was just over three miles. The damage path continued east-southeast for 26 miles through the Murray area into eastern Calloway County.

GRAVES COUNTY --- 1.0 SE MAYFIELD [36.72, -88.62], 1.0 S FARMINGTON [36.66, -88.52]				
	06/07/14 14:34 CST		80K	Thunderstorm Wind (EG 83 kt)
	06/07/14 14:44 CST		0	Source: Trained Spotter

The macroburst containing winds up to 95 mph followed a path roughly parallel to Highway 121 across eastern Graves County. The damage path width was just over three miles. Widespread damage occurred in the Sedalia and Farmington areas. The roof was blown off a home. A large metal machine shed was partially unroofed. A number of large oak trees were blown down . A power pole was snapped along State Route 1890. Outdoor furniture was lifted off a deck and blown onto a roadway . The damage path continued into Calloway County.

CALLOWAY COUNTY --- 2.0 WNW COLDWATER [36.66, -88.48], 2.0 NW MURRAY [36.64, -88.35]				
	06/07/14 14:44 CST		0.10M	Thunderstorm Wind (EG 83 kt)
	06/07/14 14:58 CST		0	Source: NWS Storm Survey

A macroburst containing winds estimated near 95 mph entered western Calloway County from Graves County. The three-mile wide damage area was roughly parallel to Highway 80. A camper was flipped over. Many homes and a tobacco barn sustained minor roof damage. Hundreds of trees were uprooted, including several along Highway 121 near Coldwater. Widespread power outages lasted for 6 to 12 hours on average. The underpinning of a mobile home was damaged. Much of the damage was along and just south of a line from Kirksey to Almo , including the airport area. The damage area continued east-southeast across the city of Murray.

CALLOWAY COUNTY --- 2.0 NW MURRAY [36.64, -88.35], 5.0 N NEW CONCORD [36.62, -88.15]				
	06/07/14 14:58 CST		0.10M	Thunderstorm Wind (EG 83 kt)
	06/07/14 15:10 CST		0	Source: NWS Storm Survey

The macroburst containing winds estimated near 95 mph continued east-southeast across the Murray area, passing mainly north and east of the city. The three-mile wide damage area in eastern parts of the county was mainly along and just south of Highway 94. Numerous large trees were snapped and uprooted, causing widespread power outages lasting 6 to 12 hours on average. Numerous roads were blocked by downed trees. At least one house was damaged by a falling tree. A resident of the house was trapped for a short time . Two houses appeared to be uninhabitable based on emergency management reports. Several barns and a garage were destroyed. A porch was ripped off a home. Scores of homes received minor roof damage. Siding was damaged on at least one house. The damage area appeared to end in eastern Calloway County, about five miles north of New Concord.

Thunderstorms formed along and ahead of a cold front that extended south from a low pressure center near St. Louis. A couple of intensifying clusters of thunderstorms with embedded supercells tracked east-southeast into a strongly unstable air mass. One embedded supercell tracked across the southwest corner of Kentucky with strong rotation, and a tornado was produced as it crossed the Mississippi River. Another cluster of storms produced a macroburst that tracked 26 miles across the Mayfield and Murray areas.

Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Moderately strong deep-layer wind shear coupled with surface dew points in the lower 70's provided a favorable environment for the severe activity.

BALLARD COUNTY --- 5.0 SE LA CENTER [37.02, -88.92]

06/10/14 17:35 CST		0		Funnel Cloud
06/10/14 17:35 CST		0		Source: Trained Spotter

A trained spotter observed a funnel cloud. This "cold-air funnel cloud" was associated with a shower or weak thunderstorm. These types of funnel clouds are usually very brief and rarely touch the ground.

Clusters of showers and weak thunderstorms formed just east of a surface low pressure center over southeast Missouri. The parent 500 mb low was also centered over Missouri. An isolated funnel cloud was reported with the weak convection.

MISSOURI, Southeast

MISSISSIPPI COUNTY --- BERTRAND [36.92, -89.43]

06/07/14 12:50 CST		0		Heavy Rain
06/07/14 13:30 CST		0		Source: Trained Spotter

Minor street flooding was reported.

NEW MADRID COUNTY --- NEW MADRID [36.60, -89.53]

06/07/14 13:45 CST		50K		Thunderstorm Wind (EG 70 kt)
06/07/14 13:45 CST		0		Source: Emergency Manager

The roof was blown off one home, and there was shingle damage at another home. Trees and power lines were blown down. A tree fell on a mobile home, trapping a person inside for a short period of time.

NEW MADRID COUNTY --- 6.5 SE NEW MADRID [36.52, -89.46], 7.8 ENE LINDA [36.48, -89.43]

06/07/14 14:00 CST		10K		Tornado (EF1, L: 3.41 mi , W: 200 yd)
06/07/14 14:12 CST		0		Source: NWS Storm Survey

The tornado moved southeast across the Mississippi River from extreme western Fulton County, Kentucky into extreme southeast New Madrid County, Missouri. Hundreds of trees were snapped. Corn fields were flattened. No structures were in the path of the tornado. Peak winds were estimated near 110 mph. The tornado then moved southeast into Lake County, Tennessee.

BUTLER COUNTY --- 1.0 N NEELYVILLE [36.58, -90.50]

06/07/14 15:21 CST		0		Funnel Cloud
06/07/14 15:21 CST		0		Source: Emergency Manager

Thunderstorms formed along and ahead of a cold front that extended south from a low pressure center near St. Louis. A couple of intensifying clusters of thunderstorms with embedded supercells tracked east-southeast into a strongly unstable air mass. One embedded supercell tracked across the New Madrid area with strong rotation, and a tornado was produced as it reached the Mississippi River. The other supercell tracked west and south of Poplar Bluff. Moderately strong deep-layer wind shear coupled with surface dew points in the lower 70's provided a favorable environment for the severe activity.

STODDARD COUNTY --- BERNIE [36.68, -89.97]

06/10/14 15:19 CST		0		Funnel Cloud
06/10/14 15:19 CST		0		Source: Trained Spotter

A funnel cloud was reported by a trained spotter. The funnel lasted about ten seconds. This "cold-air funnel cloud" was associated with a shower or weak thunderstorm. These types of funnel clouds are usually very brief and rarely touch the ground.

Clusters of showers and weak thunderstorms formed in the vicinity of a surface low pressure center over southeast Missouri. The parent 500 mb low was also centered over Missouri. There was an isolated funnel cloud reported with the weak convection.

CAPE GIRARDEAU COUNTY --- EGYPT MILLS [37.40, -89.47]

06/20/14 17:05 CST		20K		Thunderstorm Wind (EG 61 kt)
06/20/14 17:05 CST		0		Source: Emergency Manager

A piece of siding was off a house. Large tree limbs were blown down. One power pole was broken, and a tree was down.

Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Isolated thunderstorms occurred south of a cold front that extended from Iowa across central Illinois to central Indiana. One of the storms produced wind damage in Cape Girardeau County.				
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CARTER COUNTY --- VAN BUREN [37.00, -91.02], 5.2 N FREMONT [37.02, -91.18], 3.1 SSW FREMONT [36.91, -91.19], 2.8 W EASTWOOD [36.90, -91.08]	06/29/14 13:40 CST		0.30M	Flash Flood (due to Heavy Rain)
	06/29/14 20:00 CST		0	Source: Emergency Manager

Major flash flooding occurred in Fremont, where numerous evacuations were conducted and cars were flooded due to flash flooding of Pike Creek. Motorists were rescued from vehicles that were swept away by floodwaters on U.S. Highway 60 near Fremont. In addition, portions of Route Y and Route M were closed. Numerous roads were damaged, and a few roads were washed out and closed. Several dozen homes were flooded in Fremont and the surrounding area. About ten of those homes appeared to be a total loss. Home propane tanks floated down creeks and rivers. A large farm tractor was overturned by floodwaters and washed onto a roadway. Camping areas were inundated in the Van Buren area. At least 15 to 20 people were evacuated, and the Red Cross was assisting victims.

A cluster of nearly stationary thunderstorms with very heavy rainfall caused flash flooding in the Ozark foothills. A southwest wind flow in the low levels of the atmosphere fed moisture and instability into the storms. Steering level winds aloft were very weak.